

ROSES 2014

HTIDeS Selections

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ROSES 2014 HTIDeS

- HTIDS combines technology elements from Solar, Heliosphere, and Geospace (ITM & Mag) Science Supporting Research & Technology programs
- Three basic areas:
 - Low Cost Access to Space (LCAS)
 - Instrument and Technology Development (ITD)
 - Laboratory Nuclear, Atomic, and Plasma Physics (LNAPP)
- LCAS & ITD separated into two groups for review:
 - Solar / Heliosphere (SH)
 - Mag / ITM (Geospace) (G)
- EM-1 CubeSat opportunity included in ROSES 2014

HTIDeS 2014 - LCAS

GeoSpace (Mag/ITM)

Pi/Institution	Title	Type
Kletzing / University of Iowa	Twin Rockets to Investigate Cusp Electrodynamics-2 (TRICE-2)	Rocket
Hysell / Cornell U.	Waves and Instabilities from a Neutral Dynamo (WINDY)	Rocket
Larsen / Clemson U.	AZURE: Auroral Zone Upwelling Release Experiment	Rocket
Wu / NCAR	Long Duration Daytime Thermospheric Wind Observation Using HIWIND	Balloon

Solar/Helio

Pi/Institution	Title	Type
Winebarger/ MSFC	Marshall Grazing Incidence X-ray Spectrometer (MaGIXS)	Rocket
Clem/ U of Del.	Nature of Interplanetary Low Energy Electrons and Positrons	Balloon
Cirtain /MSFC	The High-resolution Coronal Imager (Hi-C)	Rocket

HTIDeS 2014 - ITD

GeoSpace (Mag/ITM)

Pi/Institution	Title
Frey/UCB	Compact Multi-Spectral Photometer for Space Science - COMPASS
Pfaff/NASA-GSFC	Development of a Tri-axial Double Probe for DC and AC Vector Electric Field Measurement on Cube-sats and Other Small Spacecraft

Solar/Helio

Pi/Institution	Title
Westlake/JHU	High Angular Resolution Low Energy Neutral Imager (LENI)

HTIDeS 2014 - LNAPP

Pi/Institution	Title
Sternovsky/Colorado	Experimental investigation of micrometeoroid ablation
Ji/PPPL	Multi-fluid Studies of Chromospheric Reconnection in a Partially Ionized Laboratory Plasma

HTIDeS 2014 – EM-1

Pi/Institution	Title
Mihir Desai / Southwest Research Institute	CuSPP Plus - An Enhancement to the Cubesat Mission to Study Solar Particles over the Earth's Poles

HTIDeS 2014 - Stats

	H-TIDeS w/ EM-1	H-TIDeS w/o EM-1
Step-1 Proposals Received	98	79
Step-2 Proposals Reviewed	84	73
Total First-Year Requests	\$44.32M	\$27.55M
FY2015 Available	\$6.6M	\$5.1M
Oversubscription	6.7	5.4
Average First-Year Request	\$528K	\$377K
Selections	13 (15%)	12 (16%)